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JUL 28 1944

UNITED STATES DEPARTMENT OF AGRICULTURE  
RURAL ELECTRIFICATION ADMINISTRATION  
INDUSTRIAL POWER SECTION, DESIGN & CONSTRUCTION DIVISION  
ST. LOUIS, MISSOURI

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GENERAL SUMMARY  
OF  
INDUSTRIAL POWER APPLICATIONS  
FOR FISCAL YEAR ENDING AS OF JULY 1, 1944

APPROVED: Guy Jr Phayton  
CHIEF, DESIGN & CONSTRUCTION DIVISION



INDUSTRIAL AND COMMERCIAL APPLICATIONS  
CLEARED BY THE INDUSTRIAL POWER SECTION  
ON REA LINES  
TABULATED BY TYPES OF INDUSTRY  
FOR FISCAL YEAR  
ENDING AS OF JULY 1, 1944

CLASSIFICATION BY TYPE OF USER	TOTAL NUMBER OF APPLICATIONS	PERCENTAGE OF TOTAL APPLICATIONS	TOTAL CONNECTED LOAD IN KW	PERCENTAGE OF TOTAL CONNECTED LOAD
I. AGRICULTURE	19	7.6%	629	3.3%
II. GOVERNMENT AND PUBLIC UTILITIES	58	23.3%	5,492	29.0%
III. MANUFACTURING AND PROCESSING	169	67.9%	12,724	67.2%
IV. COMMERCIAL AND RECREATIONAL ENTERPRISES	3	1.2%	105	0.5%
TOTALS	249	100.0%	18,950	100.0%



A GENERAL SUMMARY OF APPLICATIONS

CLEARED THRU THE INDUSTRIAL POWER SECTION

FISCAL YEAR ENDING AS OF JULY 1, 1944

CLASSIFICATION BY TYPE OF USER	NUMBER OF APPLICATIONS	PROPOSED CONNECTED LOAD	
		TOTAL KW	AVERAGE KW
I. AGRICULTURE	19	629	33.1
II. GOVERNMENT AND PUBLIC UTILITIES			
A. Federal Government	40	4,331	108.2
B. State and Local Governments and Services	6	840	140.0
C. Public Utilities	12	321	26.8
III. MANUFACTURING AND PROCESSING			
A. Chemicals (None)			
B. Forest Products	22	1,298	59.0
C. Mineral Products	63	5,310	84.3
D. Processing and Preservation of Agricultural Products	56	3,532	63.1
E. Stone, Clay and Glass Industries	12	1,340	111.7
F. Textile Industries	7	405	57.9
G. Other Manufacturing Industries	7	214	30.6
H. Construction Industries	2	625	312.5
IV. COMMERCIAL AND RECREATIONAL ENTERPRISES			
A. Private Industry	<u>3</u>	<u>105</u>	<u>35.0</u>
	<u>Totals</u>	<u>249</u>	<u>18,950</u>
			<u>76.1</u>



INDUSTRIAL LOAD APPLICATIONS

TABULATED ACCORDING TO INDUSTRIAL CLASSIFICATION

(FOR FISCAL YEAR ENDING AS OF JULY 1, 1944)

I. AGRICULTURE

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Irrigation (Alfalfa)	Washington 20 Columbia	15
Irrigation Pump	Missouri 20 Marion	20
Irrigation Pump	Missouri 20 Marion	10
Irrigation Pump	New Mexico 4 Eddy	21
Pumping Plant	Texas 30 Upshur	13
Poultry Farm	Texas 94 Gonzales	35
Turkey Farm	Indiana 53 Steuben	45
Water Pumping	Mississippi 45 Clarke-Lauderdale (Partly TVA)	75
Rice Irrigation	Arkansas 11 Jackson	45
Rice Irrigation	Arkansas 11 Jackson	60
Irrigation	Florida 29 Gadsden	30
Hatchery	Minnesota 59 Olmsted	25
Dairy	Missouri 20 Marion	25
Irrigation (Truck Farming)	New Jersey 4 Monmouth	30
Hatchery	Iowa 60 Emmet-Dickinson	40
Irrigation	New Jersey 4 Monmouth	35
Turkey Ranch	Wisconsin 19 Chippewa	25
Seed Farm	Minnesota 59 Olmsted	70
Irrigation	Washington 8 Benton	10
	Total	629

II. GOVERNMENT AND PUBLIC UTILITIES

A. Federal Government

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Radar Tower	Delaware 2 Sussex	7
Standby Service Camp LeJeune	North Carolina 43 Jones	400
Standby Service Tent Camp	North Carolina 43 Jones	1,000
Service to Tank Park	North Carolina 43 Jones	50



## II. GOVERNMENT AND PUBLIC UTILITIES

### A. Federal Government (Continued)

TYPE OF INDUSTRY	SYSTEM DESIGNATION	CONNECTED LOAD IN KILOWATTS
U. S. Army Airport	South Carolina 36 Barnwell	25
U. S. Army (Secret Installation)	Mississippi 39 Jackson	20
U. S. Army Cadet Training School	Colorado 17 Powers	300
Shawnee Airport	Oklahoma 29 Hughes	20
U. S. Army Radio Station	Maryland 4 St. Marys	5
U. S. Army Prison Camp	Colorado 31 Larimer	250
Flood Lighting	South Carolina 25 Berkeley	18
U. S. Army Prison Camp	Colorado 31 Larimer	450
Gunnery Range	New Mexico 9 Curry	45
U. S. Army Camp Hospital	Virginia 41 Prince William	225
Auxiliary Airfield	Indiana 21 Bartholomew	9
Radio Range Station	Indiana 21 Bartholomew	9
U. S. Army Airfield (Ordnance Area)	Nebraska 77 Norris	10
U. S. Army Airfield (South Gate)	Nebraska 77 Norris	3
Marine Station	Virginia 41 Prince William	10
Airport	California 6 Modoc	8
Naval Air Station	North Carolina 55 Craven	400
U. S. Army Prison Farm	Maryland 4 St. Marys	22
CAA Airport	Georgia 42 Toombs	40
Airport (Lakeview)	South Carolina 28 Williamsburg	50
U. S. Navy Pumping Plant (U. S. Army)	California 6 Modoc	85
U. S. Army Camp	Alabama 20 Baldwin	60
Landing Field (U. S. Army)	Virginia 41 Prince William	18
Olney Airport	Virginia 41 Prince William	50
Lighting & Heating (C.A.A.)	Alabama 30 Autauga	25
Pumping Station (U. S. Army)	Texas 98 Young	10
Radio Range Station	New Jersey 4 Monmouth	10
Georgetown County Airbase	Georgia 66 Taylor	75
Prison Camp	Georgia 94 Jones	5
Airfield Marker Lights	South Carolina 28 Williamsburg	150
Prison Camp	Washington 8 Benton	200
Prison Camp	New Mexico 9 Curry	9
Veterans' Hospital	Texas 75 Wharton	21
Housing Project	Delaware 2 Sussex	25
	Missouri 43 Laclede	112
	North Carolina 43 Jones	100
	Total	4,331



## II. GOVERNMENT AND PUBLIC UTILITIES

### B. State and Local Governments and Services

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
City of Newkirk	Oklahoma 2 Kay	300
Municipal Water Pump	Nevada 4 Overton D. P.	10
City of Memphis (Emergency)	Missouri 35 Adair	125
Village Light and Power	Nebraska 44 Cass	55
Drawbridge	South Carolina 25 Berkeley	200
Boys' Industrial School	Ohio 65 Fairfield	<u>150</u>
	Total	840

### C. Public Utilities

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>
Repeater Station	Washington 18 Spokane
Repeater Station	Washington 18 Spokane
Pumping Station and Administration Building	Montana 21 Big Horn
Water Pump	Oregon 18 Eugene
Railroad Shops (Southern Pacific)	Oregon 18 Eugene
Utility Company	Wisconsin 19 Chippewa
Pneumatic Messenger System (C.B. & Q.R.R.)	Nebraska 77 Norris D. P.
Repeater Station (A.T. & T.Co.)	Illinois 36 Jasper
Repeater Station (A.T. & T.Co.)	Illinois 36 Jasper
Railroad Snow Melter and Battery Charger	Minnesota 85 Todd
Repeater Station	Kansas 27 Morris
Repeater Station	Kansas 27 Morris

CONNECTED LOAD  
IN  
KILOWATTS

Total 321

## III. MANUFACTURING AND PROCESSING

### A. Chemicals

(No applications by chemical plants during the fiscal year.)



### III. MANUFACTURING AND PROCESSING

#### B. Forest Products

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Wood-Working Shop	North Carolina 23 Caldwell	15
Sawmill	Arkansas 10 Pulaski	64
Sawmill	Kentucky 5 <sup>1</sup> / <sub>2</sub> Wayne	100
Sawmill	Oregon 18 Eugene	200
Sawmill	Maine 13 Hancock	25
Sawmill	Missouri 20 Marion	20
Lumber Mill	Maine 8 Aroostock	8
Planing Mill	Georgia 34 Carroll	100
Pipe Works (Smoking Pipes)	North Carolina 23 Caldwell	30
Sawmill	Illinois 2 Wayne	60
Sawmill	Arkansas 9 Craighead	18
Lumber Mill	California 16 Plumas	275
Lumber Camp	Florida 25 Lee	13
Sawmill	Colorado 26 San Miguel	30
Sawmill	Washington 39 Nespelem	35
Lumber Plant	Oregon 2 Lane	20
Lumber Plant	Washington 37 Lincoln	20
Sawmill	Indiana 72 Clark	45
Sawmill	North Carolina 40 Brunswick	40
Sawmill	Virginia 11 Rockingham	65
Fire Pumps (Lumber Company)	California 6 Modoc	30
Sawmill	Oregon 22 Clackamas	85
	Total	1,298

#### C. Mineral Products

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Copper Mine	North Carolina 35 Davidson	200
Coal Mine	Kentucky 18 Meade	15
Coal Mine	Indiana 40 Knox	100
Silica Mine	Illinois 43 Pulaski	35
Oil Pumps	Texas 67 Rains-Rockwall	35
Building Contractors (Aluminum Plant)	South Carolina 23 Dorchester	25
Oil Well Pump	Ohio 87 Wood	40
Coal Mine	Illinois 37 Saline	110
Coal Mine	Illinois 37 Saline	60
Coal Mine	Illinois 37 Saline	45
Coal Mine	North Dakota 17 McHenry	40
Oil Well Pump	Kansas 8 Allen	14



### III. MANUFACTURING AND PROCESSING

#### C. Mineral Products (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Oil Well Pump	Kansas 8 Allen	18
Mica Mine	North Carolina 25 Rutherford	5
Zinc Mine	Virginia 34 Lee	300
Lime Quarry	Virginia 11 Rockingham	15
Oil Well	Ohio 31 Holmes	13
Coal Mine (H.Wilson)	Illinois 21 Menard	50
Coal Mine	Illinois 37 Saline	100
Coal Mine	Illinois 37 Saline	100
Pumping Plant (C.M. & St.P.P.)	Wisconsin 14 Oconto	7
Coal Mine	Illinois 37 Saline	100
Coal Mine	Kansas 31 Crawford	65
Coal Mine	Pennsylvania 21 Somerset	15
Interchange with New River Light and Power Company	North Carolina 23 Caldwell	300
Deep Well Oil Pumps	Ohio 87 Wood	65
Coal,Mine	Indiana 83 Dubois	15
Oil Well Pumps	Nebraska 44 Eastern Nebraska D.P.	15
Fluorspar Mine	Colorado 35 Chaffee	75
Coal Mine	Pennsylvania 21 Somerset	8
Pyrophyllite Mine	North Carolina 36 Randolph	40
Limestone Quarry	Iowa 34 Jones	30
Oil Well Pump	Nebraska 44 Eastern Nebraska D.P.	15
Coal Mine	Kansas 31 Crawford	70
Gas Compressor Plant	Oklahoma 2 Kay	15
Coal Mine	Pennsylvania 17 Armstrong	15
Limestone Quarry	Iowa 39 Benton	15
Bentonite Mill	Montana 21 Big Horn	100
Mica Mine	Idaho 10 Nez Perce	60
Coal Mine	Indiana 42 Parke	180
Oil Well Pumps	Indiana 40 Knox	15
Coal Mine	Illinois 37 Saline	125
Coal Mine	Illinois 37 Saline	30
Coal Mine	Illinois 37 Saline	90
Gasoline Refinery Pumps	Louisiana 17 Claiborne	30
Limestone Plant (Tentative)	Oklahoma 19 Craig	180
Mining and Processing		
Fullers Earth	Florida 29 Gadsden	400
Limestone Quarry	Virginia 11 Rockingham	33
Oil Pumping and Lighting	Ohio 56 Loraine	225
Rock Quarry	Ohio 87 Wood	75
Oil Pumping and Lighting	Ohio 56 Loraine	225
Fluorspar Mine	Colorado 35 Chaffee	45
Limestone Quarry	Oklahoma 19 Craig	265
Zinc Mine	Washington 30 Stephens	120
Oil Pipe Line Pump	Oklahoma 2 Kay	40
Coal Mine	Pennsylvania 21 Somerset	25



### III. MANUFACTURING AND PROCESSING

#### C. Mineral Products (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	CONNECTED LOAD IN <u>KILOWATTS</u>
Fluorspar Mine	Illinois 37 Saline	85
Fluorspar Mine	Illinois 37 Saline	65
Coal Mine	Illinois 37 Saline	45
Coal Mine	Colorado 36 Routt	225
Coal Mine	Colorado 36 Routt	225
Oil Well	Kansas 27 Morris	17
Oil Well Pumps	Texas 54 Wood	<u>200</u>
	Total	5,310

#### D. Processing and Preservation of Agricultural Products

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	CONNECTED LOAD IN <u>KILOWATTS</u>
Cold Storage Plant	Pennsylvania 20 Blair	63
Feed Mill	Wisconsin 57 Rusk	35
Feed Grinding	Illinois 2 Wayne	25
Alfalfa Processing	Nebraska 51 Burt District Public	300
Feed Grinder	Arkansas 9 Craighead	40
Flour Mill	Montana 21 Big Horn	10
Hay and Grain Drying	North Carolina 37 Davie	100
Grain Elevator	Ohio 33 Auglaize	45
Feed Mill and Elevator	North Dakota 13 Foster	55
Elevator and Pea Cleaning Plant	Washington 18 Spokane	24
Grain Elevator	Washington 20 Columbia	15
Grain Elevator	North Dakota 13 Foster	45
Feed Mill	Minnesota 95 Lake of the Woods	75
Hammer Mill	Missouri 42 Caldwell	40
Locker Plant	Mississippi 31 Washington	30
Hammer Mill	Missouri 42 Caldwell	25
Grist Mill	Illinois 43 Pulaski	10
Feed Mill	Minnesota 95 Lake of the Woods	35
Dehydrating Plant	North Dakota 19 Grand Forks	100
Sugar Factory	Louisiana 6 St. Mary	30
Locker Plant	South Carolina 14 Aiken	30
Feed Mill	Ohio 33 Auglaize	25
Alfalfa Processing	Nebraska 78 Dawson	450
Alfalfa Processing	Nebraska 78 Dawson	450
Grain Elevator	Indiana 87 Starke	17
Locker Plant	Ohio 31 Holmes	8
Packing Company	Iowa 60 Emmet-Dickinson	70
Feed Grinding	Minnesota 59 Olmsted	30



**III. MANUFACTURING AND PROCESSING**

**D. Processing and Preservation of Agricultural Products (Continued)**

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Grain Elevator	Missouri 32 Atchison	11
Soy Bean Processing Plant	Missouri 35 Adair	100
Feed Grinding	Virginia 11 Rockingham	20
Fish Processing	North Carolina 40 Brunswick	40
Vegetable Processing	Virginia 39 Northampton	18
Feed Mill	Illinois 2 Wayne	25
Grist Mill (Britt Corn Mill)	Georgia 35 Walton	19
Hybrid Seed Corn Processing	Indiana 87 Starke	15
Hammer Mill	Illinois 23 Sangamon	10
Creamery	Minnesota 57 Otter Tail	55
Locker Plant	Minnesota 1 Kanabec	15
Seed Drying and Processing	Minnesota 55 Watonwan	55
Alfalfa Processing	Nebraska 76 Southern Nebraska D.P.	250
Alfalfa Mill	Oklahoma 2 Kay	125
Seed and Feed Processing	North Carolina 34 Anson	40
Distillery	Kentucky 21 Nelson	25
Distillery	Kentucky 21 Nelson	75
Farmers Elevator Cooperative	Ohio 87 Wood	80
Feed Grinding	Wisconsin 60 Waushara	20
Hammer Mill and Elevator	Colorado 33 Dolores	65
Flour Mill	Colorado 33 Dolores	32
Feed Mill	Texas 103 Polk	100
Potato Curing	Georgia 84 Cobb	25
Refrigeration	Ohio 31 Holmes	25
Elevator	Minnesota 57 Otter Tail	20
Rendering Plant	Minnesota 66 Nobles	42
Grape Juice Plant	Missouri 18 Texas	25
Elevator	Montana 2 Cascade	18
	Total	3,532

**E. Stone, Clay and Glass Industries**

CONNECTED LOAD

IN

KILOWATTS

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Sand and Gravel Plant	Illinois 39 Fulton	300
Lime Rock Crushing	Arkansas 9 Craighead	20
Sand and Gravel Plant	Louisiana 18 Beauregard	75
Rock Crusher	Iowa 34 Jones	30



### III. MANUFACTURING AND PROCESSING

#### E. Stone, Clay and Glass Industries (Continued)

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Core Sand Plant	Michigan 37 Huron	60
Limestone Quarry	Idaho 10 Nez Perce	100
Limestone Quarry	Idaho 10 Nez Perce	90
Stone and Gravel Plant	North Carolina 31 Halifax	185
Stone Quarry	Kentucky 18 Meade	200
Stone Quarry	Indiana 21 Bartholomew	60
Rock-Crushing Plant	Oklahoma 2 Kay	120
Glass Sand Processing	Nevada 4 Overton	<u>100</u>
	Total	1,340

#### F. Textile Industries

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Hemp Mill	Indiana 74 Huntington	30
Cotton Gin Fan	Arkansas 9 Craighead	20
Hemp Industries	Minnesota 63 Scott	20
Cotton Gin	Arkansas 9 Craighead	75
Cotton Gin	Georgia 83 Jackson	70
Textile Mill	North Carolina 23 Caldwell	150
Cotton Gin	Arkansas 9 Craighead	<u>40</u>
	Total	405

#### G. Other Manufacturing Industries

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Welding Shop	Mississippi 40 Smith	10
Rendering Plant	Nebraska 65 Wayne	25
Rendering Plant	Mississippi 31 Washington	75
Rendering Plant	Missouri 32 Atchison	35
Welding (Garage)	Wyoming 11 Lincoln	9
Machine Shop	Oregon 18 Eugene	20
Capsule Manufacturing	North Carolina 40 Brunswick	<u>40</u>
	Total	214



### III. MANUFACTURING AND PROCESSING

#### H. Construction Industries

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Shipyard and Terminal Company	Oregon 26 Wasco	550
Construction Company	Arkansas 26 Fulton	<u>75</u>
	Total	625

### IV. COMMERCIAL AND RECREATIONAL ENTERPRISES

#### A. Private Industry

<u>TYPE OF INDUSTRY</u>	<u>SYSTEM DESIGNATION</u>	<u>CONNECTED LOAD IN KILOWATTS</u>
Trailer Housing Project	South Carolina 25 Berkeley	15
Grain and Coal Company	Ohio 39 Paulding	75
Hospital	Indiana 87 Starke	<u>15</u>
	Total	105

